

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Igor BARGATIN et al.
Title: DETECTION OF RESONATOR MOTION
USING PIEZORESISTIVE SIGNAL
DOWNMIXING
Appl. No.: 10/590,485
Int'l Filing Date: 2/24/2005
371(c) Date:
Examiner: Unassigned
Art Unit: Unassigned
Conf. No.: 9701

PETITION UNDER 37 C.F.R. § 1.47(a)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.47(a) and the guidelines set forth in M.P.E.P. § 409.03, a request is hereby made to include Darron K. Young as a joint inventor of the above-identified application even though he can not be reached to join in the application by signing an oath or declaration complying with 37 C.F.R. § 1.63. A declaration complying with 37 C.F.R. § 1.63 signed by the remaining joint inventors is included herewith. Below is a description of the pertinent facts concerning attempts made to obtain Mr. Young's signature on the declaration complying with 37 C.F.R. § 1.63, as well as his last known address.

1. The named inventors of the above-identified application are as follows:

11/27/2007 GFREY1 00000083 10590485

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200.00 0P

Igor Bargatin

Edward B. Myers

Mo Li

Jessica Arlett

Benjamin Gudlewski

Michael L. Roukes

Darron K. Young

Hong X. Tang

2. The last known address of Darron K. Young is: 430 Gerona Avenue, San Gabriel, California 91775.
3. The following attempts were made to contact Mr. Young to inform him that his signature was needed on a Declaration complying with 37 C.F.R. § 1.63 in connection with the above-identified application.
 - a. On November 30, 2006, an Assignment and a Declaration complying with 37 C.F.R. § 1.63, were sent to Mr. Young from the undersigned attorney of record (Leon Radomsky) by e-mail to Mr. Young's last known e-mail addresses darryonyoung@earthlink.net and darron@caltech.edu. Copies of the e-mail and attached documents are attached hereto as EXHIBIT A.
 - b. On June 5, 2007, June 25, 2007, July 23, 2007 and August 22, 2007, e-mail reminders were sent to e-mail addresses mentioned in a. above from the undersigned attorney of record. Copies of the e-mail chain including these reminders are attached hereto as EXHIBIT B.
 - c. On August 22, 2007, an e-mail was sent to co-inventor Edward Myers requesting information regarding Mr. Young's e-mail address as seen on the last e-mail in the chain on EXHIBIT B attached hereto.
 - c. On August 22, 2007, co-inventor Edward Myers responded to the e-mail from the undersigned attorney of record stating he had no new information on Mr. Young. Mr. Myers also sent a second e-mail of August 22, 2007, asking the consequences of not reaching Mr. Young and stating that he was unsure whether anyone in the group had been in contact with Mr. Young for over one year. See EXHIBIT C.
 - d. On October 2, 2007, the undersigned attorney of record e-mailed Stephanie Fry of California Institute of Technology ("Caltech") Office of Technology Commercialization requesting contact information for Mr. Young. Ms. Fry responded on October 3, 2007 that Mr. Young left Caltech. She suggested

contacting Professor Y. Tai of Caltech to obtain a forwarding address and providing the above mentioned darryonyoung@earthlink.net email address. See EXHIBIT C.

- e. On November 15, 2007, J. Steven Rutt (a colleague of the undersigned attorney of record at Foley & Lardner LLP) e-mailed Professor Tai of Caltech requesting contact information for Mr. Young. Mr. Rutt's email indicates that Mr. Rutt spoke to Mr. Jun Xie, a former colleague of Mr. Young at Caltech, and that Mr. Xie provided two phone numbers that he had for Mr. Young. Mr. Rutt's email indicates that no one answered the phone at the two numbers provided by Mr. Xie. On November 15, 2007, Melinda Bakarbessy of Caltech's Office of Technology Commercialization responded to Mr. Rutt on behalf of Professor Tai by e-mail and gave the above mentioned e-mail address darryonyoung@earthlink.net, as well as Mr. Young's most recent known mailing address given in paragraph 2. above. Professor Tai also responded separately in an email dated November 15, 2007 in which Professor Tai indicated that he left a message on a cell phone number that he had in his records for Mr. Young. See EXHIBIT D.
 - f. On November 16, 2007, a registered letter enclosing copies of the specification and Declaration and Assignment forms for review and signature, were mailed by Certified U.S. Mail to the last known address given in paragraph 2. above to Mr. Young. See EXHIBIT E (letter only).
 - g. On November 19, 2007, the undersigned representative contacted co-inventor Hong Tang by phone. Mr. Tang indicated that he did not know Mr. Young's current contact information.
 - h. As of the date of this petition, no signed documents regarding the above-captioned application have been received from Mr. Young. Furthermore, Mr. Young did not contact the undersigned representative or Mr. Rutt.
4. An Assignment has not yet been recorded in the current application. An Assignment to California Institute of Technology executed by the remaining inventors (other than Mr. Young) will be submitted for recordation in the Assignment branch upon grant of the present petition. The prior International application names California Institute of Technology as

Applicant. It is believed that no Consent of Assignee is required for the present petition.

5. In view of the above facts, the undersigned petitions the U.S. Patent and Trademark Office, in accordance with 37 C.F.R. § 1.47(a) to accept the accompanying declaration from the remaining joint inventors.

The fee for this Petition is \$200.00 (37 CFR §1.17(g)). A credit card payment for this amount is enclosed herewith. The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

The undersigned states declares further that all statements made herein are true and that all statements made herein on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

If there are any questions regarding the above, please contact the undersigned.

Respectfully submitted,

Date 11/26/07

By Leo Radomsky

FOLEY & LARDNER LLP
Customer Number: 22428
Telephone: (202) 945-6090
Facsimile: (202) 672-5399

Leon Radomsky
Attorney for Applicant
Registration No. 43,445

Walker, Karen A.

From: Radomsky, Leon
Sent: Thursday, November 30, 2006 10:46 AM
To: 'arlett@its.caltech.edu'; 'bargatin@caltech.edu'; 'bg@its.caltech.edu'; 'limo@caltech.edu'; 'Edward Myers'; 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'Roukes, Michael L.'; 'hong.tang@yale.edu'
Cc: Walker, Karen A.; Fay, Karen
Subject: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature
Attachments: 049411-0340 Declaration.pdf; 049411-0340 Assignment.pdf

Dear Colleagues,

Our law firm has recently filed Caltech 4079 patent application on which you are named as a co-inventor in the US Patent & Trademark Office.

Can you please sign the enclosed declaration and assignment forms for the 4079 application and return the forms to me in the next 2-3 weeks?

The assignment form does not have to be notarized. You can sign separate sheets of paper and return the signed forms to me separately via email, mail or fax, which ever is convenient.

Thank you very much for your help!

Leon
Leon Radomsky
Foley & Lardner LLP
3000 K Street, N.W.
Washington, DC 20007
phone (202) 945-6090
fax (202) 672-5399
email: lradosky@foley.com
<http://www.foley.com/lradosky>



049411-0340 049411-0340
eclaration.pdf (2signment.pdf (2.

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**DETECTION OF RESONATOR MOTION USING
PIEZORESISTIVE SIGNAL DOWNMIXING**

(Attorney Docket No. 049411-0340)

the specification of which (check one)

 is attached hereto.

 X was filed on 2/24/2005 as United States Application Number or
PCT International Application Number 10/590,485
(PCT/US2005/005597) and was amended on 8/24/2006
(if applicable).

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/547,168	2/25/2004
60/562,652	4/15/2004

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number
11/010,578		12/14/2004	
	PCT/US2005/005597	2/24/2005	

I HEREBY APPOINT the registered attorneys and agents at Customer Number

22428

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Leon Radomsky
FOLEY & LARDNER LLP
Customer Number: 22428

Telephone: (202) 945-6090
Facsimile: (202) 672-5399

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Igor Bargatin
Residence	Pasadena, California
Citizenship	Russia
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of second inventor	Edward B. Myers
Residence	Sherman Oaks, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of fifth inventor	Benjami Gudlewski
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	
Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

California Institute of Technology
1200 E. California Blvd., MS 201-85
Pasadena, CA 91125

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**DETECTION OF RESONATOR MOTION USING
PIEZORESISTIVE SIGNAL DOWNMIXING**

as set forth in this United States Patent Application

check one ☐ executed concurrently herewith,
 ☐ executed on _____,
 ☒ Serial No. 10/590,485 Filed 2/24/2005

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this _____ day of _____, 20____.

IGOR BARGATIN

State of _____)
County of _____)ss.

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared IGOR BARGATIN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

EDWARD B. MYERS

State of _____)
County of _____)ss.

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared EDWARD B. MYERS, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

MO LI

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared MO LI, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

JESSICA ARLETT

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared JESSICA ARLETT, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

BENJAMI GUDLEWSKI

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared BENJAMI GUDLEWSKI, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

MICHAEL L. ROUKES

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared MICHAEL L. ROUKES, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

DARRON K. YOUNG

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared DARRON K. YOUNG, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.

HONG X. TANG

State of _____)
)ss.
County of _____)

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared HONG X. TANG, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Radomsky, Leon

From: Radomsky, Leon
Sent: Wednesday, August 22, 2007 11:19 AM
To: 'Ed Myers'
Cc: Fay, Karen; Rutt, J. Steven
Subject: FW: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature
Attachments: 049411-0340 Declaration.pdf; 049411-0340 Assignment.pdf

Dear Ed,

Do you know if I Darron is answering his emails at the addresses below? He has not replied at all. Thanks

Leon

From: Radomsky, Leon
Sent: Wednesday, August 22, 2007 11:17 AM
To: 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'Hong Tang'
Cc: 'Ed Myers'; Fay, Karen
Subject: FW: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Dear Darron and Hong,

The next deadline to sign the enclosed forms is Friday August 24. Please return the signed forms to me as soon as possible. (Hong, I already have your assignment form, but did not receive the declaration form).

Thanks

Leon

From: Radomsky, Leon
Sent: Monday, July 23, 2007 3:19 PM
To: 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'Hong Tang'
Cc: Walker, Karen A.; Fay, Karen; 'Ed Myers'; 'Hernandez, Rebecca'
Subject: FW: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Dear Darron and Hong,

The next deadline to sign the forms is tomorrow (July 24, 2007) which can be extended to August 24. Please return the signed forms to me as soon as possible.

Thanks

Leon

From: Radomsky, Leon
Sent: Monday, June 25, 2007 2:23 PM
To: 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'hong.tang@yale.edu'
Cc: Fay, Karen; Walker, Karen A.; 'Edmonds, Karina L.'; 'Hernandez, Rebecca'
Subject: FW: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Dear Darron and Hong,

The next deadline to sign the forms in July 24, 2007. Please return the signed forms to me by July 20, if possible.

Thanks
Leon

From: Radomsky, Leon
Sent: Tuesday, June 05, 2007 3:40 PM
To: 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'hong.tang@yale.edu'
Cc: Walker, Karen A.; Fay, Karen; 'Edward Myers'
Subject: RE: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature



049411-0340
Declaration.pdf (2...



049411-0340
Assignment.pdf (2...

Dear Darron and Hong,

Can you please sign the enclosed forms and return the forms to me by June 21, 2007 in order to meet a deadline set by the patent office.

Thank you for your help.

Leon
Leon Radomsky
Foley & Lardner LLP
3000 K Street, N.W.
Washington, DC 20007
phone (202) 945-6090
fax (202) 672-5399
email: lradomsky@foley.com
<http://www.foley.com/lradomsky>

From: Radomsky, Leon
Sent: Thursday, November 30, 2006 10:46 AM
To: 'arlett@its.caltech.edu'; 'bargatin@caltech.edu'; 'bg@its.caltech.edu'; 'limo@caltech.edu'; 'Edward Myers'; 'darronyoung@earthlink.net'; 'darron@caltech.edu'; 'Roukes, Michael L.'; 'hong.tang@yale.edu'
Cc: Walker, Karen A.; Fay, Karen
Subject: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Dear Colleagues,

Our law firm has recently filed Caltech 4079 patent application on which you are named as a co-inventor in the US Patent & Trademark Office.

Can you please sign the enclosed declaration and assignment forms for the 4079 application and return the forms to me in the next 2-3 weeks?

The assignment form does not have to be notarized. You can sign separate sheets of paper and return the signed forms to me separately via email, mail or fax, which ever is convenient.

Thank you very much for your help!

Leon

Leon Radomsky

Foley & Lardner LLP

3000 K Street, N.W.

Washington, DC 20007

phone (202) 945-6090

fax (202) 672-5399

email: lradosky@foley.com

<http://www.foley.com/lradosky>

<< File: 049411-0340 Declaration.pdf >> << File: 049411-0340 Assignment.pdf >>

Walker, Karen A.

From: Radomsky, Leon
Sent: Wednesday, October 03, 2007 1:10 PM
To: 'Fry, Stephanie'
Cc: Rutt, J. Steven; Walker, Karen A.; Fay, Karen
Subject: RE: CIT 4079 patent application (our docket 49411/340)

Stephanie,

Thanks! darronyoung@earthlink.net was the email address that I was using. We will check with Prof. Tai to see if he has any additional information.

Leon

-----Original Message-----

From: Fry, Stephanie [mailto:stephanie.fry@caltech.edu]
Sent: Wednesday, October 03, 2007 11:55 AM
To: Radomsky, Leon
Subject: RE: CIT 4079 patent application (our docket 49411/340)

Leon, I know he has left Caltech. Have you tried him at darronyoung@earthlink.net?? I know he worked in Prof. Yu-Chong Tai's lab. You might email him at yctai@its.caltech.edu and see if he has a forwarding address.

Stephanie

-----Original Message-----

From: Radomsky, Leon [mailto:LRadomsky@foley.com]
Sent: Tuesday, October 02, 2007 2:03 PM
To: Fry, Stephanie
Cc: Myers, Edward B.; Edmonds, Karina L.; Walker, Karen A.; Fay, Karen
Subject: CIT 4079 patent application (our docket 49411/340)

Dear Stephanie,

We cannot locate former Caltech student Darron Young to obtain his signature (he does not answer emails).. Therefore we will have to prepare a petition to accept the application without a signature. Do you know if Caltech has a US mail forwarding address so that we can send him a registered letter to comply with the patent office rules in filing such a petition?

Thank you!

Leon

-----Original Message-----

From: Radomsky, Leon
Sent: Wednesday, August 22, 2007 6:00 PM
To: 'Edward Myers'
Cc: Fay, Karen
Subject: RE: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

We will extend the response period for an additional month and then send a registered letter to his last known address. If he does not reply, we will file a petition to accept the application without his signature.

-----Original Message-----

From: Edward Myers [mailto:emyers@caltech.edu]
Sent: Wednesday, August 22, 2007 5:54 PM
To: Radomsky, Leon

Subject: RE: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Leon,
What are the consequences if we can't get in touch with Darron before Friday? I'm not sure if anyone in the group has been in touch with him for 1+ years.

Thanks,
Ed

-----Original Message-----

From: "Radomsky, Leon" <LRadomsky@foley.com>
To: "Edward Myers" <emyers@caltech.edu>
Cc: "Fay, Karen" <KFay@foley.com>
Sent: 8/22/07 5:04 PM
Subject: RE: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Thanks!

-----Original Message-----

From: Edward Myers [mailto:emyers@caltech.edu]
Sent: Wednesday, August 22, 2007 4:24 PM
To: Radomsky, Leon
Subject: RE: CIT 4079 patent application (our docket 49411/340) - forms enclosed for your signature

Hi Leon,
That's the last info I have on him. Hong might have a more updated address

The preceding email message may be confidential or protected by the attorney-client privilege. It is not intended for transmission to, or receipt by, any unauthorized persons. If you have received this message in error, please (i) do not read it, (ii) reply to the sender that you received the message in error, and (iii) erase or destroy the message.

Legal advice contained in the preceding message is solely for the benefit of the Foley & Lardner LLP client(s) represented by the Firm in the particular matter that is the subject of this message, and may not be relied upon by any other party.

Internal Revenue Service regulations require that certain types of written advice include a disclaimer. To the extent the preceding message contains

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EXHIBIT D

Radomsky, Leon

From: Rutt, J. Steven
Sent: Thursday, November 15, 2007 6:17 PM
To: 'Bakarbessy, Melinda'
Cc: Yu-Chong Tai; Radomsky, Leon; Fay, Karen
Subject: RE: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS
Importance: High

Thanks !

To date: email has not worked.

Steve

From: Bakarbessy, Melinda [mailto:melinda.bakarbessy@caltech.edu]
Sent: Thursday, November 15, 2007 6:06 PM
To: Rutt, J. Steven
Subject: FW: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS
Importance: High

Steven,

Here's an address and email address. Let me know if this doesn't work.

Darron K. Young
Email: darronyoung@earthlink.net
Home address:
430 Gerona Ave
San Gabriel, CA 91775

Melinda Bakarbessy
Patent Administrator
Office of Technology Transfer
California Institute of Technology
P: (626) 395-8553
F: (626) 356-2486
E: Melb@Caltech.Edu
www.caltech.edu/ott

From: Slessor, Michael
Sent: Thursday, November 15, 2007 3:02 PM
To: Bakarbessy, Melinda
Subject: FW: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS
Importance: High

11/22/2007

From: Rutt, J. Steven [mailto:SRutt@foley.com]
Sent: Thursday, November 15, 2007 2:43 PM
To: Yu-Chong Tai; Slessor, Michael; Edmonds, Karina L.
Cc: Radomsky, Leon; Fay, Karen
Subject: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS
Importance: High

I am helping out Leon with a matter. We are trying to track down any addresses for Darron Young for patent paperwork.

I spoke with JunXie who has older phone numbers for Darron (626-285-3911 and 626-679-4727) but no one answered these numbers.

Any help is appreciated. My understanding is that it is urgent.

Thanks.

Steve

J. Steven Rutt, Esq., Ph.D.
Foley & Lardner
3000 K Street, N.W.
Washington, DC 20007
DC office phone (202) 672-5351
cell phone (703) 786-2280
home office phone (703) 426-1624
fax (202) 672-5399
email: srutt@foley.com

11/22/2007

Radomsky, Leon

From: Rutt, J. Steven
Sent: Thursday, November 15, 2007 6:20 PM
To: Radomsky, Leon; Fay, Karen
Subject: FW: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS

fyi

From: Yu-Chong Tai [mailto:tai@mems.caltech.edu]
Sent: Thursday, November 15, 2007 5:56 PM
To: Rutt, J. Steven
Subject: RE: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS

Did you try his email, darryonyoung@earthlink.net ? If not, try it.
I also tried his cell (626) 376-0710 and left a message. Hopefully, he will reply.
-tai

From: Rutt, J. Steven [mailto:SRutt@foley.com]
Sent: Thursday, November 15, 2007 2:43 PM
To: Yu-Chong Tai; Slessor, Michael; Edmonds, Karina L.
Cc: Radomsky, Leon; Fay, Karen
Subject: URGENT -- 049411-0340 -- CIT 3887-CIP-CIP-US - LOCATING DARRON YOUNG ADDRESS
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cell phone (703) 786-2280
home office phone (703) 426-1624
fax (202) 672-5399
email: srutt@foley.com

11/22/2007

November 16, 2007

ATTORNEYS AT LAW
WASHINGTON HARBOUR
3000 K STREET NW, SUITE 500
WASHINGTON, D.C. 20007-5143
202.672.5300 TEL
202.672.5399 FAX
www.foley.com

WRITER'S DIRECT LINE
202.945.6090
lradosky@foley.com EMAIL

CLIENT/MATTER NUMBER
049411-0340

VIA CERTIFIED U.S. MAIL

Darron K. Young
430 Gerona Ave
San Gabriel, CA 91775

Re: U.S. Patent Application No.: 10/590,485
Filing Date: 2/24/2005
Title: DETECTION OF RESONATOR MOTION USING
PIEZORESISTIVE SIGNAL DOWNMIXING
Inventor(s): Igor Bargatin et al.
Our Ref.: 049411-0340
Your Ref.: CIT 3887-CIP-CIP-US

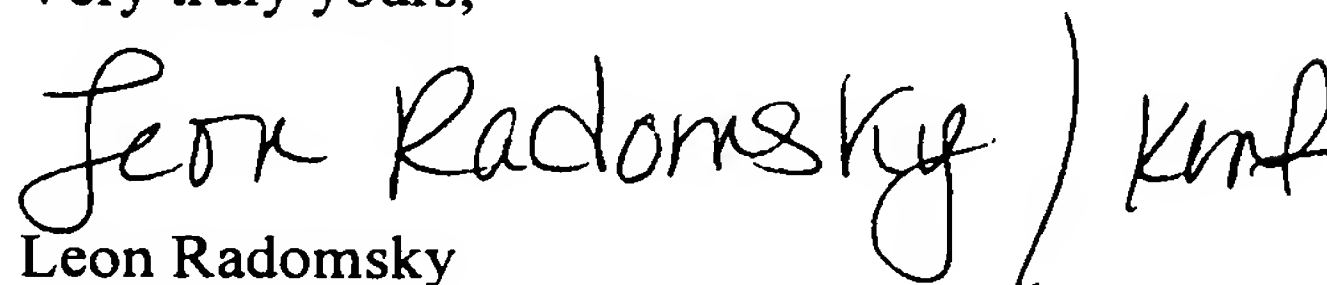
Dear Darron:

Enclosed please find Declaration and Assignment forms along with a copy of the as-filed specification in the above-referenced application. Please sign and date these forms as soon as possible and return to us via the enclosed Federal Express envelope. You may also fax or email the forms to us; we do not need original copies. Additionally, the Assignment form does not need to be notarized.

Please note that the final response date to respond to the pending Notice to File Missing Parts is November 24, 2007. If we do not file these executed forms by that date, the application will be deemed abandoned.

If you have any questions, please do not hesitate to contact me. Thank you for your assistance in this urgent matter.

Very truly yours,


Leon Radomsky

LR/kmf
Enclosures

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**DETECTION OF RESONATOR MOTION USING
PIEZORESISTIVE SIGNAL DOWNMIXING**

(Attorney Docket No. 049411-0340)

the specification of which (check one)

_____ is attached hereto.

 X was filed on 2/24/2005 as United States Application Number or
PCT International Application Number 10/590,485
(PCT/US2005/005597) and was amended on 8/24/2006
(if applicable).

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

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U.S. Provisional Application Number	Filing Date
60/547,168	2/25/2004
60/562,652	4/15/2004

I HEREBY CLAIM the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number
11/010,578		12/14/2004	
	PCT/US2005/005597	2/24/2005	

I HEREBY APPOINT the registered attorneys and agents at Customer Number

22428

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Leon Radomsky
FOLEY & LARDNER LLP
Customer Number: 22428

Telephone: (202) 945-6090
Facsimile: (202) 672-5399

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Igor Bargatin
Residence	Pasadena, California
Citizenship	Russia
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	<i>Igor Bargatin</i>
Date	12/19/2006

Name of second inventor	Edward B. Myers
Residence	Sherman Oaks, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fifth inventor	Benjami Gudlewski
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	

Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

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**DETECTION OF RESONATOR MOTION USING
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(Attorney Docket No. 049411-0340)

the specification of which (check one)

_____ is attached hereto.

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(if applicable).

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Facsimile: (202) 672-5399

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Citizenship	Russia
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of second inventor	Edward B. Myers
Residence	Sherman Oaks, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	12/15/06

Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fifth inventor	Benjami Gudlewski
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	

Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
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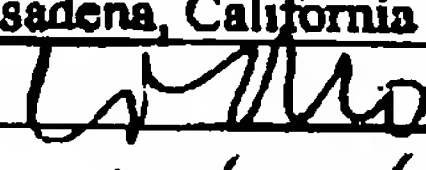

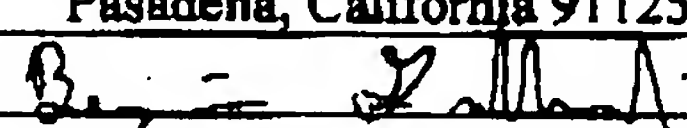
Leon Radomsky
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Telephone: (202) 945-6090
Facsimile: (202) 672-5399

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Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

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Residence	Sherman Oaks, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	12/22/06
Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of fifth inventor	Benjamin Gudlewski 
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	December 22, 2006

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	

Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am the original, first, and sole inventor (if only one inventor is named below) or an original, first, and joint inventor (if plural inventors are named below or in an attached Declaration) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**DETECTION OF RESONATOR MOTION USING
PIEZORESISTIVE SIGNAL DOWNMIXING**

(Attorney Docket No. 049411-0340)

the specification of which (check one)

_____ is attached hereto.

 X was filed on 2/24/2005 as United States Application Number or
PCT International Application Number 10/590,485
(PCT/US2005/005597) and was amended on 8/24/2006
(if applicable).

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before I (we) invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me (us), or by my (our) legal representatives or assigns, more than twelve months (six months for design patents) prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/547,168	2/25/2004
60/562,652	4/15/2004

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number
11/010,578		12/14/2004	
	PCT/US2005/005597	2/24/2005	

I HEREBY APPOINT the registered attorneys and agents at Customer Number

22428

to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith.

I request that all correspondence be directed to:

Leon Radomsky
FOLEY & LARDNER LLP
Customer Number: 22428

Telephone: (202) 945-6090
Facsimile: (202) 672-5399

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Igor Bargatin
Residence	Pasadena, California
Citizenship	Russia
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of second inventor Edward B. Myers
 Residence Sherman Oaks, California
 Citizenship USA
 Post Office Address c/o California Institute of Technology
1200 E. California Blvd., MS 201-85
Pasadena, California 91125
 Inventor's signature _____
 Date _____

Name of third inventor Mo Li
 Residence Pasadena, California
 Citizenship China
 Post Office Address c/o California Institute of Technology
1200 E. California Blvd., MS 201-85
Pasadena, California 91125
 Inventor's signature _____
 Date _____

Name of fourth inventor Jessica Arlett
 Residence ~~Altadena, California~~ South Pasadena, California
 Citizenship Canada
 Post Office Address c/o California Institute of Technology
1200 E. California Blvd., MS 201-85
Pasadena, California 91125
 Inventor's signature *J. Arlett*
 Date 11/29/06

Name of fifth inventor Benjami Gudlewski
 Residence Pasadena, California
 Citizenship USA
 Post Office Address c/o California Institute of Technology
1200 E. California Blvd., MS 201-85
Pasadena, California 91125
 Inventor's signature _____
 Date _____

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	

Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

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(Attorney Docket No. 049411-0340)

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Residence	Pasadena, California
Citizenship	Russia
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of second inventor	Edward B. Myers
Residence	Sherman Oaks, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of fifth inventor	Benjami Gudlewski
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	<i>Michael L. Roukes</i>
Date	4 June 2007

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	

Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Atty. Dkt. No. 049411-0340

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Atty. Dkt. No. 049411-0340

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U.S. Parent	PCT Parent	Parent	Parent

Atty. Dkt. No. 049411-0340

Application Number	Application Number	Filing Date	Patent Number
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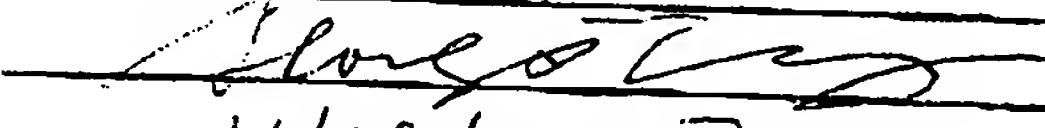
Atty. Dkt. No. 049411-0340

Name of first inventor	Igor Bargatin
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Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
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Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of third inventor	Mo Li
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Atty. Dkt. No. 049411-0340

Name of fourth inventor	Jessica Arlett
Residence	Altadena, California
Citizenship	Canada
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of fifth inventor	Benjami Gudlewski
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	
Name of sixth inventor	Michael L. Roukes
Residence	Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	

Atty. Dkt. No. 049411-0340

Name of seventh inventor	Darron K. Young
Residence	South Pasadena, California
Citizenship	USA
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 South Pasadena, California 91125
Inventor's signature	
Date	
Name of eighth inventor	Hong X. Tang
Residence	Pasadena, California
Citizenship	China
Post Office Address	c/o California Institute of Technology 1200 E. California Blvd., MS 201-85 Pasadena, California 91125
Inventor's signature	
Date	11/19/2007